Basic Compressor Information

There are many different makes of compressors used in our marketplace. Regardless of manufacture and design, all compressors operate as the pump to keep the refrigerant circulating and to increase the refrigerant's pressure. Blissfied (Tecumseh) and York style compressors are known as reciprocating, upright or in-line type compressors.
The Sanden and Seltec/Valeo (Diesel KIKI, Zexel) are rotary types.
The suction side (low side) and discharge side (high side) ports are usually stamped with the letters "S" or "D" on the compressors head.

COMPRESSORS

CCI (see T/CCI, York Style)

DENSO

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T/CCI, York Style

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TAMA HD (SEE SELTEC/VALEO)

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COMPRESSOR OIL TYPE CAPACITY CHART

Compressor Style	Oil Capacity	Type Oil-R12	Oil P/N R-12	Type Oil R134a	Oil P/N R134a	Additional Notes	Oil Measure Tool
Denso	7.44 oz.	n/a	n/a	PAG46	8207	2	3
Ford Scroll	4-6 oz. (5)	n/a	n/a	PAG46	8207	2	3
Frigidaire A6	10 to 11 oz.	525 visc.	8240	PAG150	8208	1, 2, 5	3
Frigidaire R4	5-1/2 to 6-1/2 oz.	525 visc.	8240	PAG150	8208	1, 2, 5	3
Frigidaire DA6,HR6,HR6HE,HD6,HT6,HU6,V5	8 oz.	525 visc.	8240	PAG150	8208	1, 2, 5	3
Ford FS6/6E171	10 oz.	500 visc.	n/a	PAG46	8207	2, 5	3
Ford FX15/FS10; FS18	6 to 7 oz.	500 visc.	n/a	PAG46	8207	2, 5	3
Sanden SD508, 508HD, 5H09	see note (6)	525 visc.	8240	PAG/SP15	8248	2	8166
Sanden SD510, 5H14, H14HD	see note (6)	525 visc.	8240	PAG/SP15	8248	2	8166
Sanden SD709, 7H13, 7H15HD, SHD, SUPR-HD	see note (6)	525 visc.	8240	PAG/SP15	8248	2	8166
Seltec/Tama DKS13CH/TM13	6 to 6-1/2 oz. (4)	FREOL	n/a	PAG46	8207	1, 2	3
Seltec/Tama DKS15BH/TM15	6 oz. (4)	FREOL	n/a	PAG46	8207	1, 2	3
Seltec/Tama DKS16H/TM16	8-1/2 oz.	FREOL	n/a	PAG46	8207	1, 2	3
Seltec/Tama DKS26H/TM31	16.9 oz.	525 visc.	n/a	PAG46	8207	1, 2	3
Seltec/Tama TM08HD	5 oz.	n/a	n/a	PAG46	8207	1, 2	3
Tecumseh HG1000	11 oz.	525 visc.	8240	ESTER	8245	1, 2	8165
T/CCI/York 210, ER210, ET210/ES210	10 to 14 oz. (7)	525 visc.	8240	PAG100	8245	1, 2	8165

NOTES:

1) Can also use P/N 8202 Icematic Retro 100 Ester oil for retrofitting.
Ester oil is more tolerant of any residual amounts of R12 mineral oil left in the system.
Always follow the O.E. manufacturers recommended oil type & oil change procedures when retrofitting any vehicle.

2) Provided that no major oil loss has occured in the system, add the following amount of oil for each component replaced:
   a.) Receiver-Drier - 1 oz.
   b.) Accumulator - 1 oz. plus same amount drained from old unit.
   c.) Dessicant Bag - 1 oz. plus same amount drained from bottom of VIR.
   d.) Condenser - 1 oz.
   e.) Evaporator - 2 oz.
   f.) Hose - NONE (All hoses replaced add 1 oz. total).
   g.) System Flushed - add 1 to 2 oz. extra to system.

3) No tool is available to check oil level.
Compressor must be removed from system, tilted and oil drained and measured out of oil or fitting port openings.
This will require rotation of clutch pulley during draining.

4) Models with alumunum fittings (monolithic head type OV) supplied with 160 cc. oil.
Cast iron fitting models (type CT, CV, CVF, CH, and HT) contain 180 cc. oil.
It is recommended that OV type compressors have an additional 1 oz. of oil added to the system.

5) Some new compressors are supplied ***without*** oil. (An orange warning tag will usually accompany the compressor).
Check the instructions inside the box for adding the proper type and amount of oil to the compressor.

6) Refer to Sanden compressor visual section pages 278 through 295 for oil capacity (cc shown next to part number).

7) T/CCI compressor supplied w/14 oz. PAG100 oil.

To convert c.c. to ounces, multiply c.c. by 0.03385

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TROUBLE SHOOTING CHART

SYMPTOM	PROBLEM DIAGNOSIS AND INSPECTION	CAUSE AND REMEDY REPAIR OR REPLACE
IMPROPER COOLING - (No unusual compressor noise)		
High suction pressure, low discharge pressure	1. Inspect valve plate, reed and gasket areas	Replace valve plate and gaskets
	2. Refer to service manual	
Low suction and discharge pressure	1. Check for low refrig. charge	
	2. Leak check compressor	Replace shaft seal, gaskets, oil fill plug, etc.
	3. Refer to service manual	
IMPROPER COOLING - (Internally noisy compressor)		
Intermittent or non-functioning	1. Check belt tension	
	2. Check clutch volts, amps, and coil lead wire	
	3. Refer to service manual	
Rough Running	1. Check compressor temperature and component parts run-out	Compressor failure change out compressor
EXCESSIVE NOISE		
NOTE: noises may be caused by components other than the compressor; however, it is normal to generate some noise.		
Clutch Engaged	1. Check compressor mounting	Torque to specs
	2. Check other engine parts	Water or air pump, alt, timing belt
	3. Check for clutch slippage	Replace if needed
	4. Check for proper refrig.charge	Charge as necessary
	5. Check clutch bearing, clearing	Replace if needed
	6. Oil level - insufficient	Fill to recommended level
	7. Check valve plate	Replace if needed
	8. Refer to service manual	
Clutch Not Engaging	1. Check for slippage	Replace if needed
	2. Check voltage going to clutch (should not be less than 12v)	

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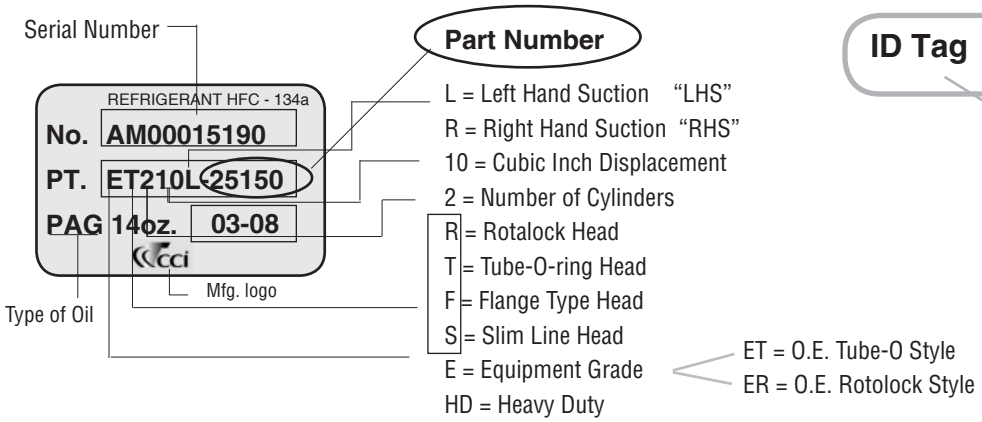
T/CCI Compressor Identification



NEW - HEAVY DUTY COMPRESSORS

Selecting The Correct T/CCI Style Compressor

There are different ways to choose the correct replacement compressor:

1. Refer to the application section looking up application by Make, Year and Model and select the compressor needed. If it is not listed in the application section then…
2. Locate the Identification Tag on the compressor body - the part number is stamped on the tag. See compressor id tag shown above for explanation.
3. Refer to the chart on the following page. The chart is listed in alphabetical order by the head type ie: flange rotalock, tube-o along with our corresponding part number, specifications and photo.

GENERIC Identification

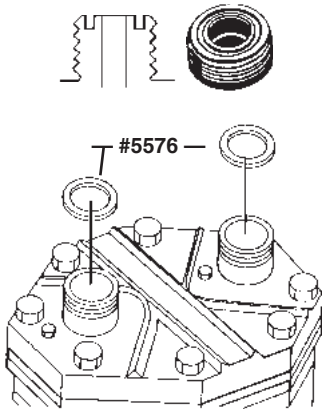
TECH TIP

NOTE: **GENERIC** Compressors are OEM factory rebuilt and may contain noncritical reconditioned components.
Generics will have ID label on the rear of the compressor.

GENERIC COMPRESSORS

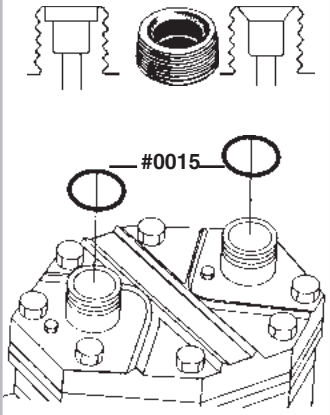
Head Identification

ROTALOCK - "RL"
Uses white teflon seal
1/2"(#8) x 5/8"(#10)
Teflon Square Cut Gasket



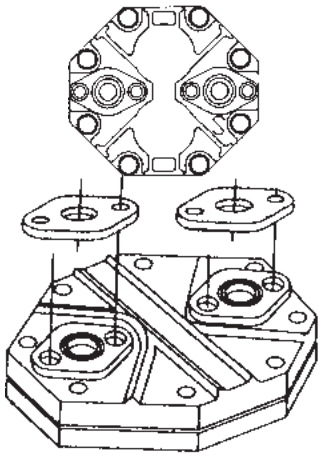
To convert a Rotalock head to Tube-O, use #**5541** adapter.

TUBE O'RING - "TO"
1" x 14
Uses HNBR (green) O'ring
Both are interchangeable

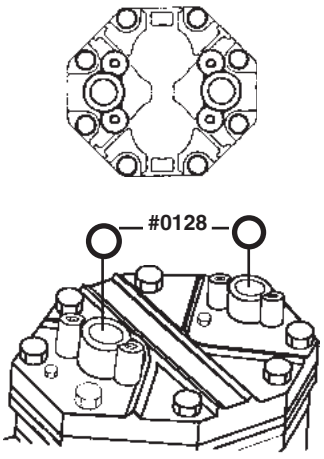


To convert a Tube-O head to Rotalock, use #**5540** adapter.

FLANGE TOP - "FT"
Uses paper gasket or
square cut O'ring



SLIMLINE - "SL"
Uses insert tube



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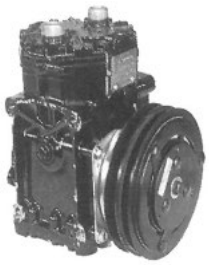
ROTALOCK (ER)
Style Head, w/o clutch



TUBE-O (ET)
Style Head, with clutch

SLIMLINE (ES)
Style Head, w/o clutch

T/CCI to SANDEN CONVERSION KITS see page 299.

I.D. NUMBER	TYPE	PART NO.	CLUTCH USED	CLUTCH DIA.	GROOVE	WIRE END	VOLT	GAUGE LINE A-B DISTANCE (see page 219)
EF 210 SERIES	**FLANGE TYPE HEAD**		**RH SUCTION**					
EF210R-25212	NEW	**5248**	Supplied without clutch, see page 219 for product offering.					
ER 210 SERIES	**ROTALOCK HEAD**		**1/2"x 5/8"**	**LH SUCTION**				
ER210L-25149	NEW	**5236**	Supplied without clutch, see page 219 for product offering.					
R210L-21237	GENERIC	**5237**	Supplied without clutch, see page 219 for product offering.					
ER210L-21571C	NEW	**5260**	5144	6"	2	1 WIRE-WEATHERPAK	12v	1 3/4" 2 1/4"
ER210L-21572C	NEW	**5261**	5031	6"	1	1 WIRE-WEATHERPAK	12v	2 11/16"
ET 210 SERIES	**TUBE-O HEAD**		**1"x14**	**LH SUCTION**				
ET210L-25150,	NEW	**5256**	Supplied without clutch, see page 219 for product offering.					
T210L-21160	GENERIC	**5247**	Supplied without clutch, see page 219 for product offering.					
ET210L-25224C	NEW	**5265**	5029	5 3/8"	8	1 WIRE-IHC CONNECTOR	12v	1 5/8"
ET210L-25182C	NEW	**5264**	5030	5 7/8"	6	1 WIRE-IHC CONNECTOR	12v	1 5/8"
ET210L-25240C	NEW	**5267**	5129	5 7/8"	6	2 WIRE-METRIPAK	12v	1 5/8"
ET210L-25243C	NEW	**5268**	5126	5 7/8"	6	2 WIRE-METRIPAK	12v	2"
ET210L-25076C	NEW	**5263**	5031	6"	1	1 WIRE-WEATHERPAK	12v	2 11/16"
ET210L-25073C	NEW	**5262**	5144	6"	2	1 WIRE-WEATHERPAK	12v	1 3/4" 2 1/4"
ET210L-25237C	NEW	**5266**	5145	6"	2	2 WIRE-METRIPAK	12v	1 3/4" 2 1/4"
ET210L-25246C	NEW	**5269**	5128	6 1/8"	8	2 WIRE-METRIPAK	12v	1 5/8"
ES 210 SLIMLINE SERIES			**LH SUCTION (mfg. for FREIGHTLINER**					
ES210L-25334	NEW	**5258**	Supplied without clutch, see page 219 for product offering.					
ES210L-25336C	NEW	**5272**	5129	5 7/8"	6	2 WIRE-METRIPAK	12v	1 5/8"
ES210L-25337C	NEW	**5273**	5126	5 7/8"	6	2 WIRE-METRIPAK	12v	2"
ES210L-25335C	NEW	**5270**	5145	6"	2	2 WIRE-METRIPAK	12v	1 3/4" 2 1/4"
ES210L-25338C	NEW	**5271**	5128	6 1/8"	8	2 WIRE-METRIPAK	12v	1 5/8"

5683
Compressor Pop-Off Valve
3/8"-24 Thread for T/CCI/York Style, Tecumseh and FS6. Bleeds off excessive R12 pressure in excess of 400 p.s.i.

5685
Universal (R12 & R134a)
Denso 10PA17C, Seltec, GM HT6
Bleeds off excessive refrigerant pressure in excess of 400 p.s.i.

TECH TIP

NOTE: All Equipment Grade T/CCI compressors are supplied with 14 ounces of a double end-capped PAG oil (effect JAN. 2008). The PAG oil tends to stay in the oil sump better than Ester oil in very low charge situations and will not migrate as much. The PAG oil will provide the compressor a longer life under abnormal conditions. (Can be installed onto existing Ester oil systems.)

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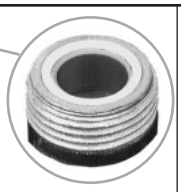
COMPRESSORS — T/CCI (York Style)

Listed in ascending order by our part number.

5236

Model		Clutch
ER 210L		none
Volt	**Head**	**T/CCI #**
N/A	RotaLock	25149



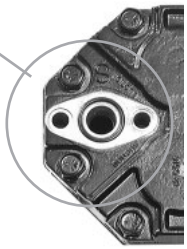
Rotalock

5237 GENERIC

Model		Clutch
R210		none
Volt	**Head**	**T/CCI #**
12/24	RotaLock	21237

5247 GENERIC

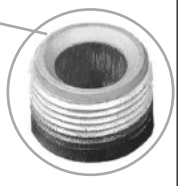
Model		Clutch
T 210L		none
Volt	**Head**	**T/CCI #**
12/24	Tube-O	21160



Flange

5248

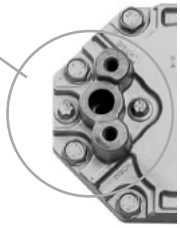
Model		Clutch
EF 210R		none
Volt	**Head**	**T/CCI #**
N/A	Flange	25212



Tube-O

5256

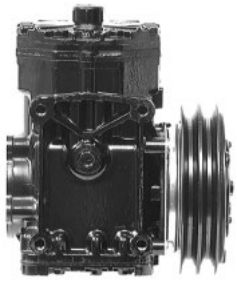
Model		Clutch
ET 210L		none
Volt	**Head**	**T/CCI #**
N/A	Tube-O	25150



Slimline

5258

Model		Clutch
ES 210L		none
Volt	**Head**	**T/CCI #**
N/A	SlimLine	25334



1 wire

5260

Model		Clutch
ER 210L		2gr 6”
Volt	**Head**	**T/CCI #**
12	RotaLock	21571C

1 wire

5261

Model		Clutch
ER 210L		1gr 6”
Volt	**Head**	**T/CCI #**
12	RotaLock	21572C

1 wire

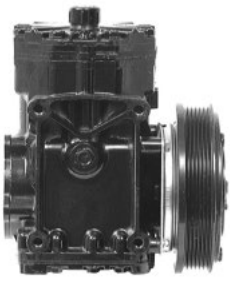
5262

Model		Clutch
ET 210L		2gr 6”
Volt	**Head**	**T/CCI #**
12	Tube-O	25073C

1 wire

5263

Model		Clutch
ET 210L		1gr 6”
Volt	**Head**	**T/CCI #**
12	Tube-O	25076C



1 wire

5264

Model		Clutch
ET 210L		6gr 5 7/8”
Volt	**Head**	**T/CCI #**
12	Tube-O	25182C

1 wire

5265

Model		Clutch
ET 210L		8gr 5 3/8”
Volt	**Head**	**T/CCI #**
12	Tube-O	25224C

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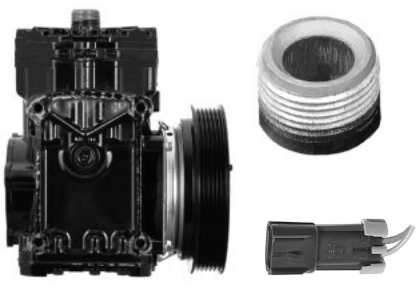
Listed in ascending order by our part number (continued).

5266 2 wire

Model		Clutch
ET 210L		2gr 6”
Volt	**Head**	**T/CCI #**
12	Tube-O	25237C

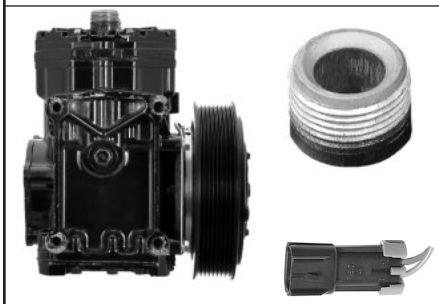
5267 2 wire

Model		Clutch
ET 210L		6gr 5 7/8”
Volt	**Head**	**T/CCI #**
12	Tube-O	25240C



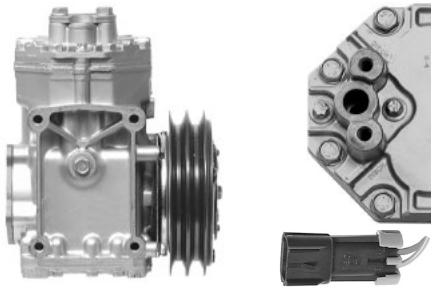
5268 2 wire

Model		Clutch
ET 210L	(Far Forward)	6gr 5 7/8”
Volt	**Head**	**T/CCI #**
12	Tube-O	25243C



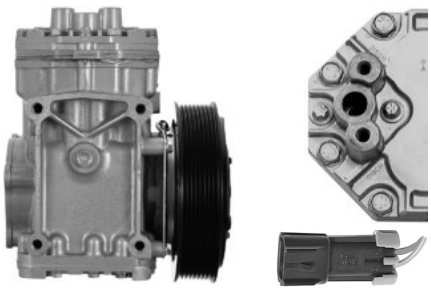
5269 2 wire

Model		Clutch
ET 210L		8gr 6 1/8”
Volt	**Head**	**T/CCI #**
12	Tube-O	25246C



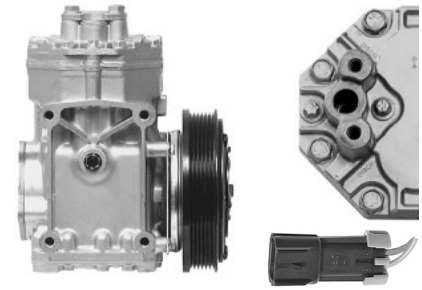
5270 2 wire

Model		Clutch
ES 210L		2 gr 6”
Volt	**Head**	**T/CCI #**
12	SlimLine	25335C



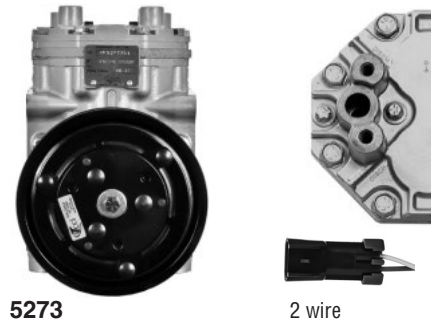
5271 2 wire

Model		Clutch
ES 210L		8gr 6 1/8”
Volt	**Head**	**T/CCI #**
12	SlimLine	25238C



5272 2 wire

Model		Clutch
ES 210L		6gr 5 7/8”
Volt	**Head**	**T/CCI #**
12	SlimLine	25336C



5273 2 wire

Model		Clutch
ES 210L		6gr 5 7/8”
Volt	**Head**	**T/CCI #**
12	SlimLine	25337C

T/CCI, SLIMLINE HEAD PORT ADAPTERS

Converts O.E. SLIMLINE Connection to MIO Male Insert O’Ring Type
(uses #0128 sealing washer - sold separately)

4320D
Discharge
Head Port Adapter

4320S
Suction
Head Port Adapter

5486
T/CCI York Style- Deluxe Shaft Seal Kit
Kit includes: Centering tool for proper plate orientation, Felt ring for improved dust protection and oil wick control and Clutch coil replacement anti-vibration “Super-Screws.”

8165
Dipstick - T/CCI/York Style -oil level checker

8202 .....12 oz.
Johnsen’s Ester Lubricant

8206 .....8 oz.
8227 .....32 oz.
Johnsen’s PAG100 Lubricant

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COMPRESSORS — DENSO

Listed in ascending order by model type then clutch grooves.

Part No.	Description	Groove / Diameter / Volt	Make / OEM# / Models
6E171 JOHN DEERE / NIPPONDENSO			
5845, SR	NEW	1 Groove 5.7" 146mm 12v	John Deere - TY6626 (ear mount)
5849	NEW	1 Groove 5.7" 146mm 24v	John Deere - TY6744 (ear mount)
7SBU16C / 7SEU17C / 7SEU17			
5844	NEW 7SBU16C	6 Groove 5.0" 127mm 12v	Freightliner/Sprinter - 2.7TD
5846	NEW 7SBU16C	6 Groove 5.0" 127mm 12v	Freightliner/Sprinter - 3.5-V6 (gas)
5847	NEW 7SEU17C	7 Groove 5.0" 127mm 12v	Freightliner/Sprinter - 3.0-V6 TD (diesel)
51418	NEW 7SBU17C	9 Groove 5.1" 130mm 12v	
51419	NEW 7SBU17C	9 Groove 5.1" 130mm 24v	Terex - Crane - 447220-8707, A000-234-37-11
10H20C			
51410	NEW	6 Groove 4-3/4" 12v	RIGMASTER APU (Direct Mt.)
10P13C			
51405	REMAN	1 (1/2" grv) 5-3/8" 12v	HINO - 94/97 FD/FE/FF/SG (Direct Mt.) - 883101580A
51406	REMAN	1 (1/2" grv) 5-1/4" 12v	HINO - 94/97 FA/FB (Direct Mt.) - 883101600A
51407	REMAN	1 (1/2" grv) 5-3/8" 12v	HINO - 98/04 FA/FB/FD/FE/FF/SG - 883101710A
10PA15C			
5843G	GENERIC Aftermarket	1 (5/8" grv) 6.0" 152mm 24v	Komatsu - 447200-1741 - WA600-3L Wheel Loaders
51411	NEW	1 Groove 133mm 24v	TEREX - Crane AC80/120 (Direct Mt.)
51413	NEW	1 Groove 134mm 24v	CAT - Excavator 318B (Direct Mt.) - 154-0490
51421	NEW	4 Groove - 24v	Doosan Excavator
5835	Genuine Denso	8 Groove 4.92" 125mm 12v	John Deere - AL155836 - 6000, 7000 Tractors
5841	Genuine Denso	8 Groove 5.0" 127mm 12v	John Deere - AL78779 - 6000 Tractors
51412	NEW	9 Groove 135mm 24v	John Deere - Dumptruck 350D/400D - TTDC221758
10PA17C JOHN DEERE			
5836	Genuine Denso	1 Groove 5.3" 136mm 12v extended lip on pulley	John Deere - RE55422 - Backhoes, Loaders, Cotton Pickers, Cable /Grapple Skidders, Sprayers
5830	Genuine Denso	1 Groove 5.3" 136mm 12v	John Deere - RE64024, TY6789 - 5000 Series Tractors
5836G	Aftermarket	1 Groove 136mm 12V	John Deere - RE52454
5833	Genuine Denso	1 Groove 5.74" 146mm 12v flush pulley	John Deere - RE46657 - Combines
5834	Genuine Denso	1 Groove 5.74" 146mm 24v flush pulley	John Deere - AT163728 Crawlers, Loaders, Motor Graders, Tool Carriers
5842G	GENERIC Aftermarket	1 (1/2" grv) 6.0" 152mm 12v	Crawlers, Loaders, Motor Graders, Tool Carriers
5837	Genuine Denso	8 Groove 5.3" 136mm 24v	John Deere - AT211063 - Loaders
5837G	Aftermarket	8 Groove 5.3" 136mm 24v	John Deere
5832	Genuine Denso	8 Groove 5.7" 145mm 12v	John Deere - RE46609 - Loaders, Crawlers, Skidders, Grapples, Skid Steers, Sprayers, Tractors
5479	GENERIC Aftermarket	8 Groove 5.7" 145mm 12v	John Deere - RE46609, AH169875, TY24304, TY6764
5831	Genuine Denso	8 Groove 5.7" 145mm 24v	John Deere - AT226273 - Loaders, Tool Carriers
5469	GENERIC Aftermarket	8 Groove 5.7" 145mm 24v	John Deere - AT172975, TY6783
5840	Genuine Denso	8 Groove 5.74" 146mm 12v	John Deere - AN221429 - Cable Skidders, Cotton Pickers
5838	Genuine Denso	8 Groove 5.74" 146mm 12v 1 black wire	John Deere - RE69716 - 9000 Tractors, Cotton Pickers, Compact Track Loaders, Skid Steers, Windrowers
10PO8 KUBOTA			
5939	NEW	1 Groove 4.8" 122mm 12v	Kubota - Ear Mnt (3), 1/2" belt wdth, 1.33" gauge line, 10:00 Coil
10S13C			
51408	REMAN	1 (1/2" grv) 5-3/8" 12v	HINO - 05-2011 238/258/268/338 - 883101800A
51409	REMAN	1 (1/2" grv) 5-1/4" 12v	HINO - 05-2010 145/165/185 - 883101810A

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Listed in ascending order by model type then clutch grooves (continued).

Part No.	Description	Groove / Diameter / Volt	Make / OEM# / Models
10S15C FREIGHTLINER / KOMATSU			
5938	NEW	1 Groove 6.0" 152mm 24v	Komatsu - Dir. Mnt 5/8" belt wdth, 2.91" gauge; 20Y-979-66121
51416	NEW	6 Groove 6.44" 163.5mm 12v	Freightliner - Dir Mnt, 2 wire Metripak, 22-65772-000
5405	NEW	8 Groove 6.44" 163.5mm 12v	Freightliner - Dir Mnt. 2 wire Metripak connector, 22-65771-000
5405G	Aftermarket	6 Groove 6.44" 163.5mm 12v	Freightliner
5405A	NEW	8 Groove 6.44" 140mm 12v	Freightliner - Dir Mnt. 2 wire Metripak connector, 22-65770-00
5405AG	Aftermarket	8 Groove 6.44" 140mm 12v	Freightliner
10S17C CATERPILLAR			
51420	NEW	6 Groove 120mm 12v	Sprinter w/Aux A/C - 68012250AA, A001-230-71-11
5844G	NEW	1 Groove 5.51" 140mm 24v	Caterpillar - 2 wire w/dust cover
5848G	NEW	8 Groove 5.43" 138mm 24v	Caterpillar - 2 wire w/dust cover
10S17F / 10S20F CHEVROLET / GMC TRUCK			
5875	Genuine 10S17F	4 Groove 4.38" 111mm 12v	w/switch Silverado, Sierra, Tahoe, Yukon - 89024907, 10366545
5884	Genuine 10S17F	4 Groove 4.38" 111mm 12v	w/o switch 2003-07 GMC PU 4.8 / 5.3 / 6.0 / 8.1L
5419	NEW 10S20F	6 Groove 4.38" 111mm 12v	2003-08 GMC PU Suburban/SUV
51001	NEW 10S17F	6 Groove 114.5mm 12v	Chev - Direct Mount, 6.6L-V8 - 19130456
DKS15D ISUZU NPR			
51417	NEW	1 Groove 140mm 12v	5/8" belt (Ear Mount)
SCS06C / SCSA06C KUBOTA			
5856	NEW SCSA06C	1 Groove 4.8" 122mm 12v	Kubota - 2.99 gauge line
52001	NEW SCS06C	1 Groove 4.8" 122mm 12v	Kubota tractor, V-Belt, 447220-6255

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COMPRESSORS — DENSO

Listed in ascending order by our part number.

5405 (O.E.M.)
5405G (Aftermarket)

Model	Mount	Clutch
10S15C	Direct	8gr 163.5mm
Volt		**O.E.M.#**
12		22-65771-000

5405A (O.E.M.)
5405AG (Aftermarket)

Model	Mount	Clutch
10S15C	Direct	8gr 140mm
Volt		**O.E.M.#**
12		22-65770-000

5419

Model	Mount	Clutch
10S20F	Direct	6gr 111mm
Volt		**O.E.M.#**
12	6.6L Diesel	89024906

Generic

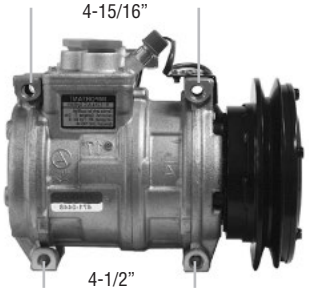
5469 (aftermarket for 5831)

Model	Mount	Clutch
10PA17C	Direct	8gr 145mm
Volt		**O.E.M.#**
24	1 7/16" MD	AT226273

Generic

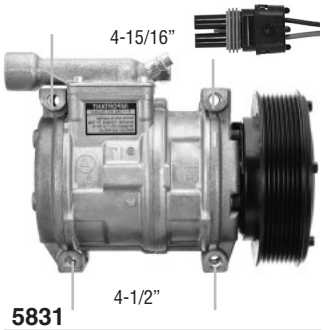
5479 (aftermarket for 5832)

Model	Mount	Clutch
10PA17C	Direct	8gr 145mm
Volt		**O.E.M.#**
12	1 7/16" MD	RE46609



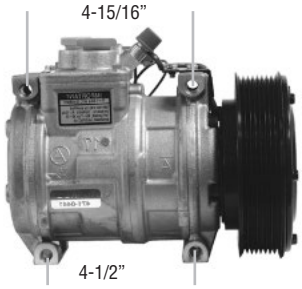
5830

Model	Mount	Clutch
10PA17C	Direct	1gr 136mm
Volt		**O.E.M.#**
12	2 1/8" MD	RE64024



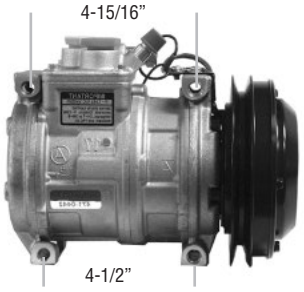
5831

Model	Mount	Clutch
10PA17C	Direct	8gr 145mm
Volt		**O.E.M.#**
24	1 7/16" MD	AT226273



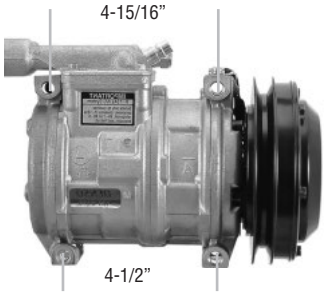
5832

Model	Mount	Clutch
10PA17C	Direct	8gr 145mm
Volt		**O.E.M.#**
12	1 7/16" MD	RE46609



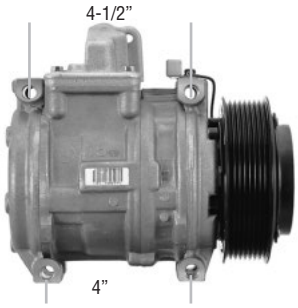
5833

Model	Mount	Clutch
10PA17C	Direct	1gr 146mm
Volt		**O.E.M.#**
12	1 5/8" MD	RE46657



5834

Model	Mount	Clutch
10PA17C	Direct	1gr 146mm
Volt		**O.E.M.#**
24	1 5/16" MD	AT163728



5835

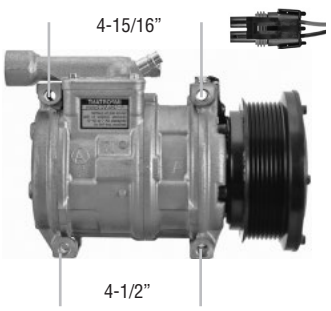
Model	Mount	Clutch
10PA15C	Direct	8gr 125mm
Volt		**O.E.M.#**
12	1" MD	AL155836

5836

Model	Mount	Clutch
10PA17C	Direct	1gr 136mm
Volt		**O.E.M.#**
12	1 3/8" MD	RE55422

5836G

Model	Mount	Clutch
10PA17C	Direct	1gr 136mm
Volt		**O.E.M.#**
12	1 3/8" MD	RE55422



5837

Model	Mount	Clutch
10PA17C	Direct	8gr 136mm
Volt		**O.E.M.#**
24	1 7/16" MD	AT211063

5837G

Model	Mount	Clutch
10PA17C	Direct	8gr 136mm
Volt		**O.E.M.#**
24	MD 1-7/16"	AT211063

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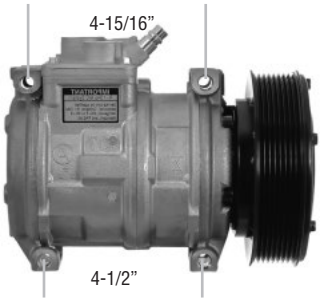
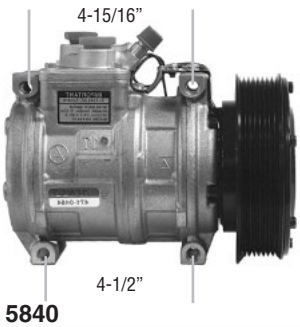
Listed in ascending order by our part number (continued).



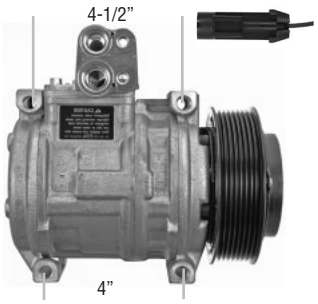
5838 (1 black wire)

Model	Mount	Clutch
10PA17C	Direct	8gr 146mm
Volt		**O.E.M.#**
12	1 7/16" MD	RE69716



5840

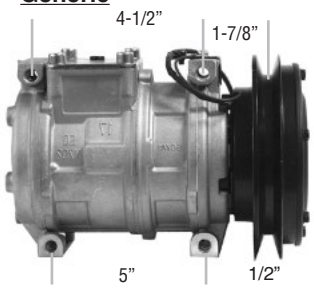
Model	Mount	Clutch
10PA17C	Direct	8gr 146mm
Volt		**O.E.M.#**
12		AN221429



5841

Model	Mount	Clutch
10PA15C	Direct	8gr 127mm
Volt		**O.E.M.#**
12		AL78779

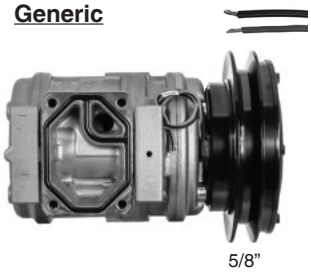
Generic



5842G

Model	Mount	Clutch
10PA17C	Direct	1gr 152mm
Volt		
12	(1/2" belt width)	1-7/8" MD

Generic

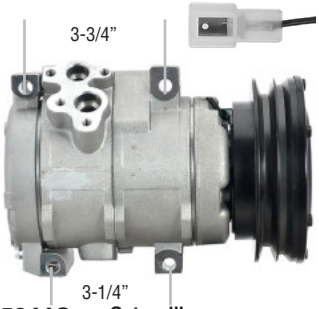


5843G Komatsu WA600-3L (serial# A52001-up)

Model	Mount	Clutch
10PA15C	Direct	1gr 152mm
Volt		**O.E.M.#**
24	2-11/16" MD	447200-1741

5844 Sprinter

Model	Mount	Clutch
7SBU16C	3 hole	6gr 127mm
Volt	**Head**	**O.E.M.#**
12	-	05117666AA



5844G Caterpillar

Model	Mount	Clutch
10S17C	Direct	1gr 140mm
Volt		**O.E.M.#**
24	2.7" MD	231-6984

5845

Model	Mount	Clutch
6E171	Ear	1gr 146mm
Volt		**O.E.M.#**
12		TY6626

5845SR Sanden Replacement

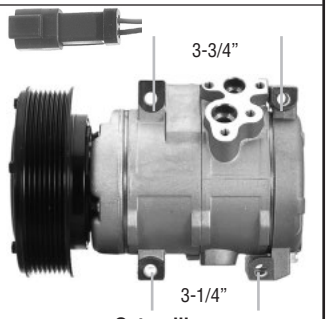
Model	Mount	Clutch
6E171	Ear	1gr 146mm
Volt		**O.E.M.#**
12		TY6626

5846 3.5L (Gas)

Model	Mount	Clutch
7SBU16C		6gr 127mm
Volt	**Head**	**O.E.M.#**
12	-	68006192AA

5847 3.0L (Diesel)

Model	Mount	Clutch
7SEU17C		7gr 127mm
Volt	**Head**	**O.E.M.#**
12	-	68012247AA

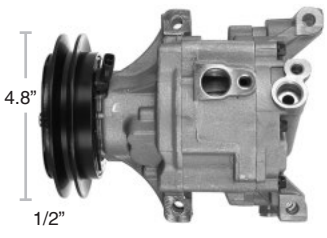


5848G Caterpillar

Model	Mount	Clutch
10S17C	Direct	8gr 138mm
Volt		**O.E.M.#**
24	2.45" MD	179-5544

5849

Model	Mount	Clutch
6E171	Ear	1gr 146mm
Volt	**Head**	**O.E.M.#**
24		TY6744



5856 2.5 oz PAG46 — 1/2" belt width 2.99" gauge line

Model	Mount	Clutch
SCSA06C	Direct	1gr 122mm
Volt		**O.E.M.#**
12		KUBOTA

5875 w/switch

Model	Mount	Clutch
10S17F	Direct	4gr 111mm
Volt		**O.E.M.#**
12		89024907, 10366545

5884 Isuzu/GM W Series — w/o switch

Model	Mount	Clutch
10S17F	Direct	4gr 111mm
Volt		**O.E.M.#**
12		15-20940, 89024882

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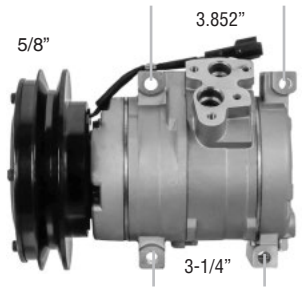
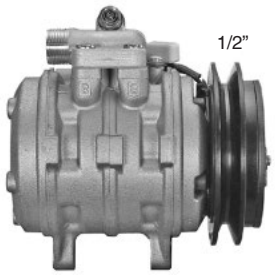
COMPRESSORS — DENSO

Listed in ascending order by our part number(continued).



5938 6 oz PAG46 5/8" belt width 2.91" gauge line

Model	Mount	Clutch
10S15C	Direct	1gr 152mm
Volt	**KOMATSU**	**O.E.M.#**
24		20Y-979-66121



5939 4.5 oz PAG46 1/2" belt width 1.33" gauge line

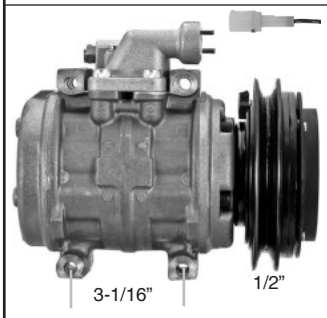
Model	Mount	Clutch
10PO8	3 Ear	1gr 122mm
Volt	**KUBOTA**	**Coil**
12	(use OE manifold)	10:00

51001

Model	Mount	Clutch
10S17F	Direct	6gr 114.5mm
Volt		**O.E.M.#**
12	6.6L-V8	19130456

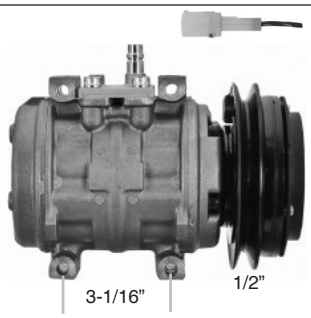
51002 KOMATSU

Model	Clutch
SP10 Delphi 717638	2gr 121mm
Volt **Mount**	**O.E.M.#**
12 3 Ear	22E-979-1110, 3541139M91



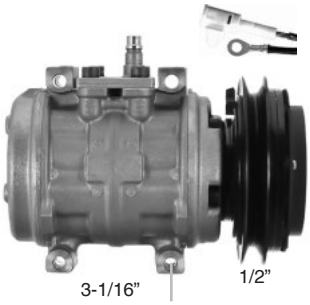
51405 REMAN HINO

Model	Mount	Clutch
10P13C	Direct	1gr 5-3/8"
Volt		**O.E.M.#**
12		883101580A



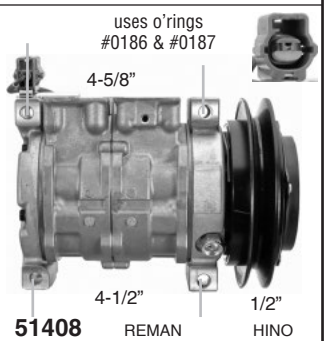
51406 REMAN HINO

Model	Mount	Clutch
10P13C	Direct	1gr 5-1/4"
Volt		**O.E.M.#**
12		883101600A



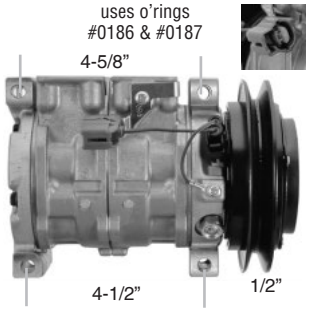
51407 REMAN HINO

Model	Mount	Clutch
10P13C	Direct	1gr 5-3/8"
Volt		**O.E.M.#**
12		883101710A



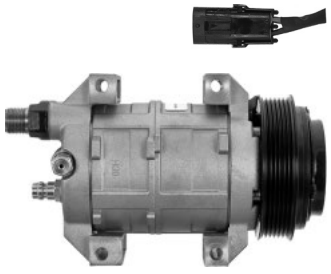
51408 REMAN HINO

Model	Mount	Clutch
10S13C	Direct	1gr 5-3/8"
Volt		**O.E.M.#**
12		883101800A



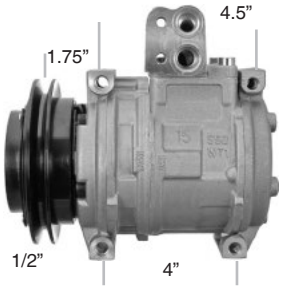
51409 REMAN HINO

Model	Mount	Clutch
10S13C	Direct	1gr 5-1/4"
Volt		**O.E.M.#**
12		883101810A



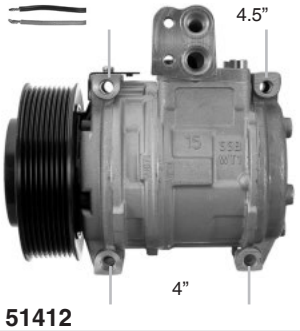
51410 RIGMASTER

Model	Mount	Clutch
10H20C	Direct	6gr 4-3/4"
Volt		
12		Rigmaster



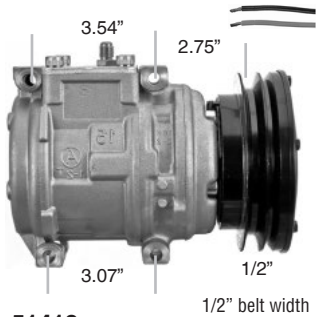
51411 5.4 oz PAG46 1/2" belt width 1.75 " gauge line

Model	Mount	Clutch
10PA15C	Direct	1gr 133mm
Volt		
24	(use OE manifold)	Terex



51412

Model	Mount	Clutch
10PA15C	Direct	9gr 135mm
Volt		**O.E.M.#**
24	J.Deere	TTDC221758

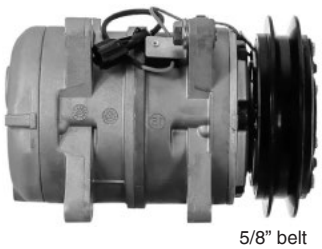


51413 1/2" belt width 2.75" gauge line

Model	Mount	Clutch
10PA15C	Direct	1gr 134mm
Volt		**O.E.M.#**
24	CAT	154-0490

51416 R134a

Model	Mount	Clutch
10S15C	Direct	6gr 163.5mm
Volt		**O.E.M.#**
12		22-65772-000



51417 Isuzu NPR

Model	Mount	Clutch
DKS15D	Ear	1gr 140mm
Volt		**O.E.M.#**
12		

51418

Model	Mount	Clutch
7SBU17C		9gr 130mm
Volt		**O.E.M.#**
12v	Cranes	Terex

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Listed in ascending order by our part number (continued).

51419

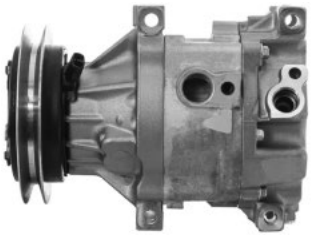
Model	Mount	Clutch
7SBU17C		9gr 130mm
Volt		**O.E.M.#**
24v	Terex	447220-8707

51420 Sprinter w/Aux a/c

Model	Mount	Clutch
10S17C	3 bolt	6gr 120mm
Volt		**O.E.M.#**
12		68012250AA

51421 Doosan Excavator

Model	Mount	Clutch
10PA15C	Direct	4gr
Volt		**O.E.M.#**
24		2208-6013B



52001 3 oz PAG46 Kubota Tractor

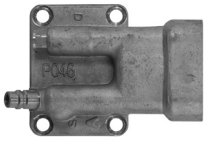
Model	Mount	Clutch
SCS06C		1gr 122mm
Volt		**O.E.M.#**
24		447220-6255

DENSO Compressor Manifolds

5441
6E171 (J.DEERE)
#10 Suction Manifold,
R12 port , 7/16" thread
Fits compressors: #5845, #5849

5442
6E171 (J.DEERE)
#8 Discharge Manifold
M12-1.00 HPRV thread
Fits compressors: #5831, #5849

5437
10PA17C (J.DEERE)
Top Manifold Discharge & Suction
#8, #10 Female Fittings.
Fits compressors: #5830, #5832, #5833, #5838



5437B
10PA15C & 10PA17C (J.DEERE)
Compressor Manifold, Aluminum
#8, #10 Female Fittings (uses #**0164** Gasket)
Fits compressors: #5831, #5834, #5836, #5837

5437R
10PA15C (J.DEERE)
Compressor Manifold, Female, Aluminum
Manifold exits on right side of compressor.
(uses #**0164** Gasket) Fits compressor: #5835
OE# AL78780

PRV's - refer to page 327.

0164
Manifold Gasket
10PA15C & 10PA17C

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COMPRESSORS — FORD

Listed in ascending order by model type then clutch grooves.

TYPE	DESCRIPTION	CLUTCH USED	PART NO.	O.E.M. NO.	GAUGE LINE
DKS17BS					
NEW	w/clutch	6 Grv., 4-1/2" Dia.(3) mounting bolt holes	**51415**	Ford Transit - 8S4Z-19703BA	
FS-6 / 6E171	STANDARD MOUNT (12v)				
NEW	FS6	w/clutch, 1 Grv. 5 13/16" Dia. (clutch #5074) (can replace 2 grv. with belt on inside groove)	**5458**	N83-304167	7/8"
NEW	FS6	w/clutch, 1 Grv. 5 13/16" Dia. (clutch #5075) (can replace 2 grv. with belt on outside groove)	**5459**	N83-304177	1 3/8"
NEW	FS6E171	1 Grv. 146mm, Ear Mount (Sanden Replacement)	**5845SR**	John Deere - TY6626	
FS-6	CROSS BOLT (TANGENTIAL) MOUNT (12v)				
NEW	w/clutch	6 Grv. 4 7/8" Dia. (clutch #5072)	**5470**	E8DZ-19V703N	15/16"
FS-10 / FX-15	21 SPLINE SHAFT (TANGENTIAL) MOUNT (12v)				
NEW	w/o clutch	11mm front and 9mm rear mntg. holes	**5460**	F77Z-19703AB	
NEW	w/o clutch	(3) mounting bolt holes	**5466**	F7LZ-19V703AA	
NEW	w/clutch	6 Grv. 5" Dia., 21 Spline, 12:00 coil	**5473**	F3SZ-19703A	
NEW	w/clutch	6 Grv. 5.75" Dia., Rear Port, 12:00 coil	**5476**	F77H-19D629AA	
NEW	w/clutch	8 Grv. 4.5" Dia., (3) mt bolt holes, 12:00 coil	**5474A**	-	
NEW	w/clutch	8 Grv. 4.5" Dia., Rear Port, 12:00 coil	**5481**	F81Z-19V703AA	
NEW	w/clutch	8 Grv. 5" Dia., (3) mt bolt holes, 12:00 coil	**5463**	F7LZ-19V703AA	
NEW	w/clutch	8 Grv. 5" Dia., Rear Port, 12:00 coil	**5480**	F77Z-19V703A	
NEW	w/clutch	8 Grv. 5 3/16" Dia., Rear Port, 12:00 coil	**5475**	F77Z-19V703V, 5U2Z-19V703D	
NEW	w/clutch	8 Grv. 3 Hub Mount, 5.1"/130mm	**5416**	4C3Z-19V703AA	
NEW	w/clutch	8 groove 117mm, (3) bolt holes (6.0L-Diesel)	**51202**	AU2Z-19V703AG	

Note: Coil location determined by facing front of clutch. May be able to substitute compressor with different coil locations.

FS-18	CROSS BOLT (TANGENTIAL) MOUNT (12v)				
NEW	w/clutch	6 Grv., 117mm, 4.6/5.4/6.8L gas eng. 2 wire, Top Pad (Replaces Scroll Type)	**51201**	2007 E-SERIES 7C2Z-19703A	
FS-20	CROSS BOLT (TANGENTIAL) MOUNT (12v)				
NEW	w/clutch	6 Grv., 130mm, (3) mounting bolt holes	**5440**	9L3Z-19703C	
NEW	w/clutch	8 Grv., 117mm, V8-391, 6.4L Diesel	**51203**	AU2Z-19V703AH	
NEW	w/clutch	8 Grv., 125mm, 10 Cylinder, Pad type	**51203A**	2 wire harness	
NEW	w/clutch	8 Grv., 119mm, 6.7L Diesel	**51204**	BC3Z-19703A; BC34-19D629AD	
SCROLL Type	for late model E-Series Vans & Sterling Trucks (12v)				
NEW	w/clutch	6 Grv., 106mm	**5478**	2C2Z-19V703BA	
NEW	w/clutch	6 Grv., 106mm (Piston Type)	**5478P**	Piston type can replace Scroll type	
NEW	w/clutch	6 Grv., 107.9mm/4.2" E450 w/6.8L	**5924**	2C2Z-19V703BB	
NEW	w/clutch	8 Grv.	**5443**	4C2Z-19V703AC	
NEW	w/clutch	8 Grv., 109mm, w/Temp. Press. Switch	**5482**	YC4H-19D629CB	
NEW	w/clutch	8 Grv., 106.5mm	**5483**	1L2H-194897DC	

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Listed in ascending order by part number.

5416

Model	Mount	Clutch
FS10	3 hole	8gr 130mm
Volt	**O.E.M.#**	
12	4C3Z-19V703AA	

5440

Model	Mount	Clutch
FS-20	Direct	6gr 130mm
Volt		**O.E.M.#**
12	3 hole	9L3Z-19703C

5443

Model	Mount	Clutch
Scroll	3 hole	8gr
Volt		**O.E.M.#**
12		4C2Z-19V703AC

NOTE: replaces 2 groove using rear belt only.

5458

Model	Mount	Clutch
FS-6	Standard	1gr 147.6mm
Volt		**O.E.M.#**
12		N83-304167

NOTE: replaces 2 groove using front belt only.

5459

Model	Mount	Clutch
FS-6	Standard	1gr 147.6mm
Volt	**O.E.M.#**	
12	N83-304177	

5460

Model	Mount	Clutch
FS-10/FX-15	Direct	-
Volt		**O.E.M.#**
12		F77Z-19703AB

5463

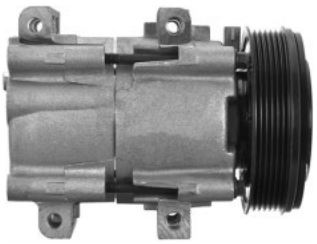
Model	Mount	Clutch
FS-10	3 hole	8gr 127mm
Volt	**Coil**	**O.E.M.#**
12	12:00	F7LZ-19V703AA

5466

Model	Mount	Clutch
FS-10	3 hole	-
Volt		**O.E.M.#**
12		F7LZ-19V703AA

5470

Model	Mount	Clutch
FS-6	Direct	6gr 123.8mm
Volt		**O.E.M.#**
12		E8DZ-19V703N



5473 12:00 coil

Model	Mount	Clutch
FS-10	Direct	6gr 127mm
Volt	**Coil**	**O.E.M.#**
12	12:00	F3SZ-19703A

5474A

Model	Mount	Clutch
FS-10	3 hole	8gr 114.3mm
Volt	**Coil**	**O.E.M.#**
12	12:00	F7UH-19D629BA

5475

Model	Mount	Clutch
FS-10	Direct	8gr 131.7mm
Volt	**Coil**	**O.E.M.#**
12	3:00	F77Z-19V703V

90-95 F-Series

5476

Model	Mount	Clutch
FS-10/FX-15	Direct	6gr 146mm
Volt	**Coil**	**O.E.M.#**
12	12:00	F77H-19D629AA

E-150/450

5478

Model	Mount	Clutch
Scroll	3 hole	6gr 106mm
Volt		**O.E.M.#**
12		2C2Z-19V703BA

5478P Piston type can be used to replace Scroll type.

Model	Mount	Clutch
Piston Type	3 hole	6gr 106mm
Volt		**O.E.M.#**
12	(Scroll E-150/450)	n/a

5480

Model	Mount	Clutch
FS10/FX15	Direct	8gr 127mm
Volt	**Coil**	**O.E.M.#**
12	12:00	F77Z-19V703A

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COMPRESSORS — FORD

Listed in ascending order by part number (continued).

5481 3:00 coil

Model	Mount	Clutch
FS10/FX15	Direct	8gr 114.3mm
Volt		**O.E.M.#**
12		F81Z-19V703AA

5482

Model	Clutch
Scroll	w/T.P.S. sw. 8gr 109mm
Volt	**O.E.M.#**
12	YC4H-19D629CB

5483

Model	Mount	Clutch
Scroll	3 hole	8gr 106.5mm
Volt		**O.E.M.#**
12		1L2H-194897DC

5845SR Sanden Replacement

Model	Mount	Clutch
6E171	Ear	1gr 146mm
Volt		**O.E.M.#**
12		TY6626

5924

Model	Mount	Clutch
Scroll; E450		6gr 107.9mm
Volt		**O.E.M.#**
12	6.8L	2C2Z-19V703BB

2007 E-Series

51201 Gas Engine

Model	Mount	Clutch
FS-18	Direct	6gr 117mm
Volt		**O.E.M.#**
12	Top Pad	7C2Z-19703A

51202 6.0L DSL

Model	Mount	Clutch
FS-10	Direct, 3 Bolt	8gr 117mm
Volt		**O.E.M.#**
12		AU2Z-19V703AG

51203 6.4L DSL / V8-392

Model	Mount	Clutch
FS-20	Direct	8gr 117mm
Volt		**O.E.M.#**
12		AU2Z-19V703AH

51203A PAG46

Model	Mount	Clutch
FS-20	Direct	8gr 125mm
Volt		**O.E.M.#**
12	10 cyl., Pad	

51204 6.7L DSL

Model	Mount	Clutch
FS-20	Direct	7gr 119mm
Volt		**O.E.M.#**
12		BC3Z-19703A

Ford Transit

51415

Model	Mount	Clutch
DKS17BS	3 Bolt	6gr, 4-1/2" dia
Volt		**O.E.M.#**
12		8S4Z-19703BA

Ford Compressors - Pressure Relief Valves

(Also see Pressure Relief Valve Section)

3/8"-24

5683
Compressor Pop-Off Valve
3/8"-24 Thread for FS6. Bleeds off excessive R12 pressure in excess of 400 p.s.i.

3/8"-24

5685
(R12 & R134a)
Universal, 3/8"-24 Thread

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A6 Compressor Identification (see pages 256-258 for illustrations.)

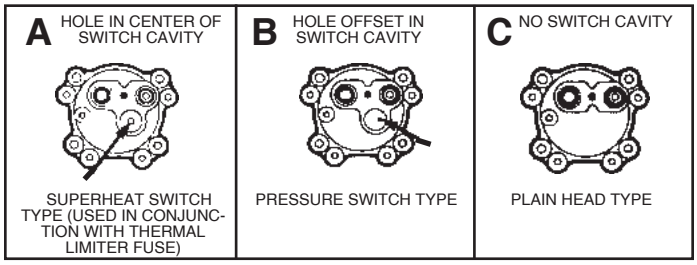
To select the correct A6 compressor it is necessary to identify which head type is being used for system protection.

High Pressure Switch Type compressors have a switch socket with a small off-centered port to allow sensing of pressure from the high pressure side of the compressor.

Superheat Switch Type compressors have a switch socket with a centered cavity for insertion of the superheat switch thermal probe into the low side of the compressor.

NOTE: Switch type compressors may be used in place of plain head types, however, High Pressure Switch Type and Superheat Switch Type compressors are NOT Interchangable.

- A & B HEAD TYPES ARE NOT INTERCHANGEABLE.
- ALL REMANUFACTURED (and some New) COMPRESSORS SUPPLIED WITHOUT SWITCH (avaliable separately).
- A counter-clock wise (CCW) rotation compressor cannot be used to replace a clockwise (standard) compressor.


A HOLE IN CENTER OF SWITCH CAVITY
SUPERHEAT SWITCH TYPE (USED IN CONJUNCTION WITH THERMAL LIMITER FUSE)
B HOLE OFFSET IN SWITCH CAVITY
PRESSURE SWITCH TYPE
C NO SWITCH CAVITY
PLAIN HEAD TYPE

GM NUMBER	TYPE	PART NO.	DESCRIPTION	SWITCH TYPE	COIL POS.	VOLT
A6						
1131376, 1131127	REMAN	**5154**	1 grv., 4 7/8" O.D. (std thrd) mineral	B - HIGH PRESSURE	2:00 RH	12V
1131223	REMAN	**5150**	1 grv., 4 7/8" O.D. (std thrd) mineral	A - SUPERHEAT	2:00 RH	12V
1131243	NEW	**5250A**	1 grv., 4 7/8" O.D. (metric) pag	A - SUPERHEAT	2:00 RH	12V
1138008	NEW	**5253**	1 grv., 5 " O.D. (metric thrd) pag	C - NO SWITCH	10:00 LH	12V
1131274	NEW	**5254**	1 grv., 5 " O.D. (std thrd) mineral	B - HIGH PRESSURE	10:00 LH	24V
51-16571A	NEW	**5246**	1 grv., 5 " O.D. (metric thrd) mineral	B - HIGH PRESSURE	2:00 RH	12V
1131250	REMAN	**5151**	1 grv., 5 1/2" O.D. (std thrd) mineral	A - SUPERHEAT	10:00 LH	12V
1131250	NEW	**5255A**	1 grv., 5 1/2" O.D. (metric thrd) pag	A - SUPERHEAT	10:00 LH	12V
12302692	REMAN	**5152**	1 grv., 6 7/8" O.D. (std thrd) mineral w/dust seal & dust cover	B - HIGH PRESSURE	10:00 LH	24V
12302692	NEW	**5252A**	1 grv., 6 7/8" O.D. (std thrd) pag w/dust seal & dust cover	C - NO SWITCH	2:00 RH	24V
1131499	NEW	**5251**	6 grv., 5 1/2" O.D. (metric) pag	C - NO SWITCH	10:00 LH	12V
1138002	NEW	**5249**	6 grv., 6" O.D. (metric) pag, CCW	C - NO SWITCH	2:00 RH	12V
1138030	NEW	**5257**	8 grv., 5 " O.D. (metric thrd) pag	B - HIGH PRESSURE	2:00 RH	12V
PC0454, PC0454-1	NEW	**5259**	2 grv., 5.12" O.D.	A - SUPERHEAT		24V

S6 Compressors (GM A6 Replacement)

(Denso 10PA20 Body)
Supplied with 220cc PAG 46 Oil
(see pages 256-258 for illustrations)

- 54% Lighter than the A6 Original
- 10 Pistons - Teflon Coated - for Greater Performance
- Includes Dust Cover • S6 can be operated CW or CCW

GM NUMBER	TYPE	PART NO.	CLUTCH DIA.	SWITCH TYPE	VOLT
S6 - GM A6 Replacement					
1131243, 2724154	NEW	**5250Q**	1 grv., 5" O.D.	A - SUPERHEAT	12V
1131127	NEW	**5246Q**	1 grv., 5" O.D.	B - HIGH PRESSURE	12V
PB9288	NEW	**5254Q**	1 grv., 5 " O.D.	B - HIGH PRESSURE	24V
1131245, 1138012	NEW	**5255Q**	1 grv., 5.5" O.D.	A - SUPERHEAT	12V
1131159, 1138000	NEW	**5252Q**	1 grv., 6 7/8" O.D.	A - SUPERHEAT	24V
1131207, 1138009	NEW	**5251Q**	6 grv., 5.5" O.D.	C - NO SWITCH	12V
1138030, 1138042	NEW	**5257Q**	8 grv., 4.81" O.D.	B - HIGH PRESSURE	12V

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COMPRESSORS — GM HARRISON / FRIGIDAIRE / DELPHI

GM NUMBER	TYPE	PART NO.	CLUTCH DIA.	GROOVE	DELCO Clutch #	HEAD TYPE / NOTE	COIL POS.	VOLT
DA-6, HR-6HE								
1131755, 1131842, 1131911, 1131915	NEW	**5895**	4.93 " O.D.	1	15-20232	w/PLUG	2:00	12V
1131894	NEW	**5894**	4.33" O.D.	6	15-20109	2 PLUGS (incl. dust cvr.)	10:00	12V
1131484, 1131800, 1131676, 1136006	NEW	**5883**	4.93" O.D.	1	15-20235	No Switch	2:00	12V
HD-6								
1136563, 15-20179	NEW	**5893**	5.1" O.D.	6	15-20179	w/PLUG	12:00	12V
HT-6								
1136521, 1136541	NEW	**5892**	4.33" O.D.	6	15-20145	HIGH PRESSURE	2:00	12V
1136519, 1136527	NEW	**5887**	4.96" O.D.	6	15-20151	HIGH PRESSURE	2:00	12V
1136518	NEW	**5885**	4.72" O.D.	6	15-20144	HIGH PRESSURE	2:00	12V

DA-6, HR-6 HE

HD-6

HT-6

SANDEN STYLE
HT-6 Replacement

SD4440 / SD4261

Manufactured by Sanden - replaces DELPHI HT-6

SD4261
6 Groove, 4.4" / 112mm Diameter, Direct Mount. 135cc oil
(will replace 5892).

SD4440
6 Groove, 5.1" / 130mm Diameter, Direct Mount, 135cc oil
(will replace 5887).

NOTE: HR-6HE, HD-6, HT-6, and HU-6

- Supplied without oil.
- Supplied with sealing washers.

HU-6 Compresor with Clutch (see pages 256-258 for illustrations.)
Thermal 6 cyl., Axial Type, 10 cu. in.

GM NUMBER	TYPE	PART NO.	CLUTCH DIA.	GROOVE	APPLICATION	COIL POS.	VOLT
HU-6							
19169353, 1136643	NEW	**5917**	4.0" O.D./101.6mm	6	Light Duty Trucks	11:00	12V
19169352, 1136642	NEW	**5918**	4.2" O.D./106.6mm	4	Light Duty Trucks	12:00	12V
1136607, 1136642	NEW	**5918A**	4.2" O.D./106.6mm	6	C/K G SERIES, 2WMP		12V
89018950	NEW	**5921**	4.0" O.D./101.6mm	6	Medium Duty Trucks	11:00	12V

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Identification (see pages 256-258 for all illustrations.)

To select the correct R4 compressor it is necessary to identify which head type is being used for system protection.

High Pressure Switch Type compressors have a switch socket with a small off-centered port to allow sensing of pressure from the high pressure side of the compressor.

Superheat Switch Type compressors have a switch socket with a centered cavity for insertion of the superheat switch thermal probe into the low side of the compressor.

NOTE: Switch type compressors may be used in place of plain head types, however, High Pressure Switch Type and Superheat Switch type compressors are NOT Interchangable.

R4
illustration

GM NUMBER	TYPE	PART NO.	CLUTCH DIA.	GROOVE	SWITCH TYPE	COIL POS.	VOLT
R-4 Delphi Harrison Radial 10-Cylinder Displacement							
1131346	NEW	**5889**	Ltwt 4 1/4" O.D.	6	C - NO SWITCH	12:00	12V
1134343	NEW	**5888**	Ltwt 4 1/4" O.D.	6	B - HIGH PRESSURE	12:00	12V
1134354	NEW	**5115**	Std 4 7/8" O.D.	1/2" V-belt	B - HIGH PRESSURE	12:00	12V

NOTE: R4 COMPRESSORS

• Supplied without oil. • Supplied with sealing washers.

GM NUMBER	TYPE	PART NO.	CLUTCH DIA.	GROOVE	NOTE	VOLT
SP10 Delphi High Efficiency 10-Cylinder Fixed Displacement						
717638	NEW	**51002**	121mm 4.76"	2	Komatsu 22E-979-1110; 3541139M91	12V

GM NUMBER	TYPE	PART NO.	CLUTCH DIA.	GROOVE	NOTE	COIL POS.	VOLT
V-5 Variable Displacement							
700655	NEW	**52000**	131mm	1	Pag46 Oil (9oz) Pad Type, Hyundai-Daewoo	10:00	24V

Some GM Models have been Equipped with Denso Mfg Compressors. See Denso Section.

Notes:

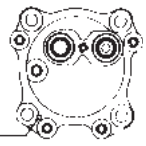
1) Coil position determined by position of coil terminals with the compressor oil sump on bottom. Determination made facing the clutch. (RH = Right Hand, LH = Left Hand.)

2) When converting O.E. standard thread compressors to metric type replacement compressors, use of metric bolts is required. When converting O.E. metric thread compressors to standard type replacement compressors, use of standard thread bolts is required.

3) Do **not** use to replace counterclockwise rotation compressors. See illustration to the right for counterclockwise rotation compressor identification.

4) Use coil extension p/n 1541 for 2:00 applications.

5) This is a **counter-clockwise** rotation compressor. Do **not** use to replace clockwise (standard) compressors.



0.187 Drilled Identifier Hole for Counterclockwise Rotation

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COMPRESSORS — GM HARRISON / FRIGIDAIRE / DELPHI

Listed in ascending order by part number. Clockwise (CW) rotation only unless noted. (Notes: refer to page 255.)

Standard
(supplied with sealing washers)

5115

Model	Oil	Clutch	
R4	w/o	1/2"v-belt	4-7/8"
Volt	**Switch Type**		**Coil Position**
12	High Pressure		12:00

5150 reman

Model	Oil	Clutch	Volt
A6	Mineral	1gr 4-7/8"	12
Thread (2)	**Head Type**		**Coil Position (1)**
Standard	Superheat		2:00 RH

5151 reman

Model	Oil	Clutch	Volt
A6	Mineral	1gr 5-1/2"	12
Thread (2)	**Head Type**		**Coil Position (1)**
Standard	Superheat		10:00 LH (4)

(3) DO NOT USE TO REPLACE CCW ROTATION COMP.

5152 reman

Model	Oil	Clutch	Volt
A6	Mineral	1gr 6-7/8"	24
Thread (2)	**Head Type**		**Coil Position (1)**
Standard	High Pressure		10:00 LH (3)

5154 reman

Model	Oil	Clutch	Volt
A6	Mineral	1gr 4-7/8"	12
Thread (2)	**Head Type**		**Coil Position (1)**
Standard	High Pressure		2:00 RH

5246

Model	Oil	Clutch	Volt
A6	Mineral	1gr 5"	12
Thread (2)	**Head Type**		**Coil Position (1)**
Metric	High Pressure		2:00 RH

5246Q (220cc) R134a

Model	Oil	Clutch	Volt
S6	PAG46	1gr 5"	12
Thread	**Head Type**		**OEM#**
	High Pressure		1131127

5249

Model	Oil	Clutch	Volt	Rotation
A6	PAG	6gr 6"	12	CCW (5)
Thread (2)	**Head Type**			**Coil Position**
Metric	Plain			2:00 RH

5250A R134a

Model	Oil	Clutch	Volt
A6	PAG	1gr 4-7/8"	12
Thread (2)	**Head Type**		**Coil Position (1)**
	Superheat		2:00 RH

5250Q (220cc) R134a

Model	Oil	Clutch	Volt
S6	PAG46	1gr 5"	12
Thread	**Head Type**		**CAT#**
	Superheat		1131243

5251

Model	Oil	Clutch		Volt
A6	PAG	6gr 5-1/2"	CW	12
Thread (2)	**Head Type**			**Coil Position (1)**
Metric	Plain			10:00 LH

5251Q (220cc) R134a

Model	Oil	Clutch		Volt
S6	PAG46	6gr 5.5"	CW	12
Thread	**Head Type**			**OEM#**
	Plain			1131207

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Listed in ascending order by part number. Clockwise (CW) rotation only unless noted. (Notes: refer to page 255.)

5252A

Model	Oil	Clutch	Volt
A6	PAG	1gr 6-7/8"	24
Thread (2)	**Head Type**		**Coil Position (1)**
Standard	Plain		2:00 RH

5252Q (220cc)

Model	Oil	Clutch	Volt
S6	PAG46	1gr 6-7/8"	24
Thread	**Head Type**		**OEM#**
Standard	Superheat		1131159

5253

Model	Oil	Clutch	Volt
A6	PAG	1gr 5"	12
Thread (2)	**Head Type**		**Coil Position (1)**
Metric	Plain		10:00 LH

5254

Model	Oil	Clutch	Volt
A6	Mineral	1gr 5"	24
Thread (2)	**Head Type**		**Coil Position (1)**
Standard	Pressure		10:00 LH

5254Q (220cc)

Model	Oil	Clutch	Volt
S6	PAG46	1gr 5"	24
Thread (2)	**Head Type**		**KOBELCO#**
	High Pressure		PB9288

5255A

Model	Oil	Clutch	Volt
A6	PAG	1gr 5-1/2"	12
Thread (2)	**Head Type**		**Coil Position (1)**
Standard	Superheat		10:00 LH(4)

5255Q (220cc)

Model	Oil	Clutch	Volt
S6	PAG46	1gr 5.5"	12
Thread	**Head Type**		**OEM#**
Standard	Superheat		1131245

5257

Model	Oil	Clutch	Volt
A6	PAG	8gr 5"	12
Thread (2)	**Head Type**		**Coil Position (1)**
Metric	High Pressure		2:00 RH

5257Q (220cc)

Model	Oil	Clutch	Volt
S6	PAG46	8gr 4.81"	12
Thread	**Head Type**		**OEM#**
	High Pressure		1138030

220cc

5259 (220cc)

Model	Oil	Clutch	Volt
A6	PAG46	2gr 5.12"	24
Thread	**Head Type**		**KOMATSU#**
	Superheat		PC0454-1

(2 ears)

5883 uses sealing washers

Model	Oil	Clutch
HR6HE	w/o	1gr 125mm 4.93"
Volt	**Switch Type**	**Coil Position**
12	none	2:00

5885 uses sealing washers

Model	Oil	Clutch
HT6	w/o	6gr 119.8mm 4.72"
Volt	**Switch Type**	**Coil Position**
12	Plug	11:00

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COMPRESSORS — GM HARRISON / FRIGIDAIRE / DELPHI

Listed in ascending order by part number. Clockwise (CW) rotation only unless noted. (Notes: refer to page 255.)

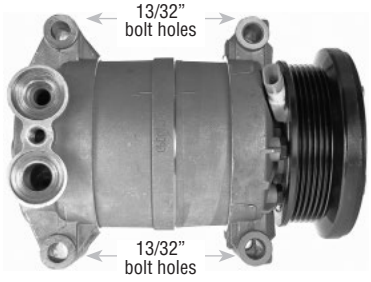
5887 uses sealing washers

Model	Oil	Clutch
HT6	w/o	6gr 125.9mm 4.96”
Volt	**Switch**	**Coil Position**
12	#1402	2:00 (7mm pin)

short shaft style
(supplied with sealing washers)

5888 (pin)
5889 (spade)

Model	Oil	Clutch
R4	w/o	6gr 109.9mm 4.33”
Volt	**Switch Type**	**Coil Position**
12	Plug	12:00



5892 uses sealing washers

Model	Oil	Clutch
HT6	w/o	6gr 109.9mm 4.33”
Volt	**Switch**	**Coil Position**
12	#1402	2:00

3 ears

5893 uses sealing washers

Model	Oil	Clutch
HD6	w/o	6gr 109.9mm 4.33”
Volt	**Switch Type**	**Coil Position**
12	Plug	12:00 spade

3 ears (with dust cover)

5894 uses sealing washers

Model	Oil	Clutch
HR6HE	w/o	6gr 106.9mm 4.21”
Volt	**Switch Type**	**Coil Position**
12	Plug	12:00 spade

3 ears

5895 uses sealing washers

Model	Oil	Clutch
HR6HE	w/o	1gr 125mm 4.93”
Volt	**Switch Type**	**Coil Position**
12	Plug	2:00

(LD Trucks)

5917 uses sealing washers

Model	Oil	Clutch
HU6	w/o	6gr 101.6mm 4”
Volt	**Switch Type**	**Coil Position**
12	Plug	11:00

(LD Trucks)

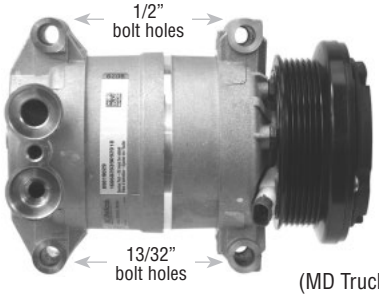
5918 uses sealing washers

Model	Oil	Clutch
HU6	w/o	4gr 106.6mm 4.2”
Volt	**Switch Type**	**Coil Position**
12	Plug	12:00

(C/K, G Series Trucks)

5918A uses sealing washers

Model	Oil	Clutch
HU6	w/o	6gr 106.6mm 4.2”
Volt	**Switch Type**	
12	2WMP	



(MD Trucks)

5921 uses sealing washers

Model	Oil	Clutch
HU6	w/o	6gr 101.6mm 4”
Volt	**Switch Type**	**Coil Position**
12	Plug	11:00

51002 1/2” belt grv’s

Model	Head	Clutch
SP10 Delphi 717638	3 Ear	2gr 121mm
Volt	**Komatsu**	
12	22E-979-1110; 3541139M91	

52000 (Hyundai-Daewoo)

Model	Head	Oil	Clutch
V5	Pad	Pag46 (9oz)	1gr 131mm
Volt	**OE**		**Coil Pos.**
24	700655		10:00

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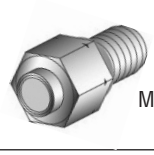
Universal Swivel Manifold Fittings

5206
#8 x #10 Male Insert O'ring Fittings
Fits: Sanden, Seltec, A6 Compressors

5208
#10 x #12 Male Insert O'ring Fittings
Fits: Sanden, Seltec Compressors

GM Compressors Pressure Relief Valves
(also see Pressure Relief Valve Section)

5682M
GM Compressors - Brass
Metric M10-1.25 thread w/HNBR O-ring.



M10 Metric

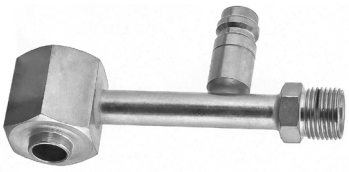
5685
Universal - R12 and R134a

3/8"-24

GM A6 / S6 Service Valve Fittings (Also see Service Valve Section)

CATERPILLAR A6 / S6 COMPRESSOR
SERVICE VALVE FITTING (steel)
with R134a PORT

5542C .....#8 .....w/16mm port
5543C .....#10 .....w/13mm port



#0121
O-ring
Suct/Disch

CATERPILLAR A6/S6 Compressor Fitting
Steel (uses #0121 O'ring, Suct/Disch)

Photo Not Available

5542MP
#8 w/16mm port
R12 switch ports (2)

Photo Not Available

5543MP
#10 w/13mm port
R12 switch port (1)

GM A6 / S6 Service Valve Fittings (Also see Service Valve Section)

GM A6 / S6
SERVICE VALVE FITTINGS
GMC, J.Deere, CAT

5542S.....#8
5543S.....#10
5544S.....#12

#0121
O-ring
Suct/Disch

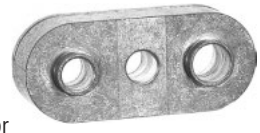
5545S
GM A6 / S6
HOLD DOWN BRACKET
(supplied w/standard and metric bolt)

Universal Type Add-on Manifold w/Deep Insert

5209
ADD-ON MANIFOLD
Fits GMC Delphi compr w/sealing washer head
(uses #0140 sealing washers).
#8 MIO x #10 MIO (requires #4249GK bolt kit)

GM A6 / R4 Retrofit Block

5599
O'ring x O'ring Pilot
Converts OE Hose Assy to Repl. Compressor



GMC Sealing Washer Style Manifold Bolt Kit

4249GK
ADD-ON MANIFOLD BOLT KIT - Fits GMC DELPHI HT6 Style compressor with sealing washer head. #8 MIO x #10 MIO Fittings
Contains: bolts, washers, and compressor sealing washers,
(for use with #5209).

DELPHI SP10 Service Valve Fittings (Komatsu)
(uses #0128 sealing washer - supplied separately)
Fit #51002 compressor

4311D
SP10 Service Valve Fitting
Head Port Adapter - Discharge
#8 MIO

4311S
SP10 Service Valve Fitting
Head Port Adapter - Suction
#10 MIO

Also see page 325 for Additional Fittings.

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A6 to SANDEN / SELTEC - CHANGEOVER KITS

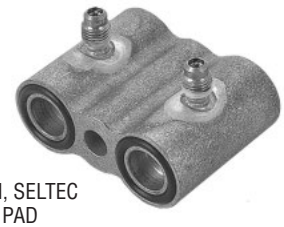
NOTE: CHANGEOVER KITS DO *NOT* INCLUDE BELTS, SERVICE VALVES, REFRIGERANT HOSE.

5252SF
A6 to SANDEN (24v)
will convert to p/n #5252A (A6)
CATERPILLAR Off-Road
Kit includes:
- Sanden FLX Compressor with 2 grv, 152mm 6" dia. clutch, 24v
- Mounting Bracket - #AK5352
- Mounting Hardware
- Binary Switches
- Manifold GM Pad 2" extension
- Retorfit Adapters
- O-Rings

5254SF
A6 to SELTEC/VALEO (24v)
will convert to p/n #5254 (A6)
JOHN DEERE Construction Equipment
Kit includes:
- Seltec TM16HD Compressor with 2 grv, 135mm 5-14" dia. clutch, 24v
- Mounting Bracket - #AK5355
- Mounting Hardware
- Binary Switches
- Manifold GM Pad 2" extension
- Retorfit Adapters
- O-Rings

5255SF
A6 to SANDEN (12v)
will convert to p/n #5255A (A6)
Kit includes:
- Sanden FLX Compressor with 2 grv, 135mm 5-14" dia. clutch, 12v
- Mounting Bracket - #AK5350
- Mounting Hardware
- Binary Switches
- Manifold GM Pad 2" extension
- Retorfit Adapters
- O-Rings

A6 CHANGEOVER PARTS - Manifolds and Bracket Kits



5207
A6 to SANDEN, SELTEC
CONVERSION PAD
GM Pad Manifold 2" Extension
with two (2) 1/4" Charge Ports

5546S
A6 to SANDEN,
Hold Down Plate
use with #5207

5207K
A6 to SANDEN, SELTEC
PORT EXTENSION KIT
Kit includes:
- 2-1/4" Extension with Hold Down Plate, Bolts
- Binary Switch and Pigtail

AK5350
A6 to SANDEN, SELTEC BRACKET KIT
(for Kit #5255SF)
For all A6 applications w/4 lower mtg holes.
Attaches to original A6 mounting brackets.
Kit includes:
- Brackets • Hardware (nuts and bolts)

AK5352
A6 to SANDEN BRACKET KIT
UNIVERSAL MOUNT (for Kit #5252SF)
A6 for 2 Groove Applications.
Kit includes:
- Brackets for all A6 side mount applications
- Hardware (nuts and bolts)

AK5355
A6 to SANDEN / SELTEC BRACKET KIT
(for Kit #5254SF)
Use with Ear Mount Compressors
Mounts to John Deere 6404, 6466 Engines
Kit includes:
- Brackets • Hardware (nuts and bolts)

AK5356
A6 to SANDEN, SELTEC BRACKET KIT
for John Deere Tractor Models: 2950, 2955, 3040, 3140, 3150, 3155 and 3350.
Kit includes:
- Brackets • Hardware (nuts and bolts)

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